Takashi Kanamaru

List of Publications by Year
in descending order

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24	259	840119 11	940134 16
papers	citations	h-index	g-index

24	24	24	170
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Array-enhanced coherence resonance and forced dynamics in coupled FitzHugh-Nagumo neurons with noise. Physical Review E, 2002, 65, 051906.	0.8	47
2	Synchronized Firings in the Networks of Class 1 Excitable Neurons with Excitatory and Inhibitory Connections and Their Dependences on the Forms of Interactions. Neural Computation, 2005, 17, 1315-1338.	1.3	22
3	Deformation of Attractor Landscape via Cholinergic Presynaptic Modulations: A Computational Study Using a Phase Neuron Model. PLoS ONE, 2013, 8, e53854.	1.1	22
4	Analysis of globally connected active rotators with excitatory and inhibitory connections using the Fokker-Planck equation. Physical Review E, 2003, 67, 031916.	0.8	21
5	BLOWOUT BIFURCATION AND ONâ€“OFF INTERMITTENCY IN PULSE NEURAL NETWORKS WITH MULTIPLEC MODULES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2006, 16, 3309-3321.	0.7	19
6	Stochastic Synchrony of Chaos in a Pulse-Coupled Neural Network with Both Chemical and Electrical Synapses Among Inhibitory Neurons. Neural Computation, 2008, 20, 1951-1972.	1.3	18
7	Analysis of Synchronization Between Two Modules of Pulse Neural Networks with Excitatory and Inhibitory Connections. Neural Computation, 2006, 18, 1111-1131.	1.3	17
8	Stochastic Resonance in the Hodgkin-Huxley Network. Journal of the Physical Society of Japan, 1998, 67, 4058-4063.	0.7	13
9	Stochastic resonance in a pulse neural network with a propagational time delay. BioSystems, 2000, 58, 101-107.	0.9	13
10	Associative memory retrieval induced by fluctuations in a pulsed neural network. Physical Review E, 2000, 62, 2629-2635.	0.8	12
11	Chaotic pattern transitions in pulse neural networks. Neural Networks, 2007, 20, 781-790.	3.3	12
12	An Analysis of Globally Connected Active Rotators With Excitatory and Inhibitory Connections Having Different Time Constants Using the Nonlinear Fokkerâ€“Planck Equations. IEEE Transactions on Neural Networks, 2004, 15, 1009-1017.	4.8	10
13	Analysis of synchronization between two modules of pulse neural networks with excitatory and inhibitory connections. Neural Computation, 2006, 18, 1111-31.	1.3	8
14	Roles of Inhibitory Neurons in Rewiring-Induced Synchronization in Pulse-Coupled Neural Networks. Neural Computation, 2010, 22, 1383-1398.	1.3	6
15	Chaotic Pattern Alternations Can Reproduce Properties of Dominance Durations in Multistable Perception. Neural Computation, 2017, 29, 1696-1720.	1.3	6
16	Acetylcholine-mediated top-down attention improves the response to bottom-up inputs by deformation of the attractor landscape. PLoS ONE, 2019, 14, e0223592.	1.1	5
17	Rewiring-Induced Chaos in Pulse-Coupled Neural Networks. Neural Computation, 2012, 24, 1020-1046.	1.3	4
18	Detecting chaotic structures in noisy pulse trains based on interspike interval reconstruction. Biological Cybernetics, 2005, 92, 333-338.	0.6	3

#	Article	IF	Citations
19	Quantifying Strength of Chaos in the Population Firing Rate of Neurons. Neural Computation, 2018, 30, 792-819.	1.3	1
20	A New Role for Attentional Corticopetal Acetylcholine in Cortical Memory Dynamics. , 2011, , .		0
21	S1210102 Gesture control of in-vehicle equipment by Leap Motion. The Proceedings of Mechanical Engineering Congress Japan, 2015, 2015, _S1210102--_S1210102-.	0.0	0
22	G1000703 Applying sensor network technology to livestock industry. The Proceedings of Mechanical Engineering Congress Japan, 2015, 2015, _G1000703--_G1000703-.	0.0	0
23	S1210103 Sightseeing telescope controlled by tablets. The Proceedings of Mechanical Engineering Congress Japan, 2015, 2015, _S1210103--_S1210103-.	0.0	0
24	The Mixed States of Associative Memories Realize Unimodal Distribution of Dominance Durations in Multistable Perception. Lecture Notes in Computer Science, 2017, , 371-378.	1.0	0